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Technology Innovation Truly International?

Evidence of Comparative Study on Index of Patent Internationalization, 1981-2008

Abstract:

In this study we examine the indicators of patent internationalization reflecting better on the current important content of the techno-globalism utilization, the production of globalization and global cooperation, etc. Based on the measurement of technological internationalization on patents data between OECD countries and non-OECD countries (or regions), with the comparative analysis of the influence of the trading, investment and the scale of a country, R&D intensity and three proximities (including the technical, the social and culture and geographical proximities) on technological innovation internationalization. These results are not similar based on different patents data from USPTO and EPO, and the factors affecting internationalization of technology in OECD and non-OECD countries are different. It is a long way to go for the non-OECD or developing countries to engage/realize the real technology innovation globalization. The findings contribute to our knowledge of technology innovation internationalization and also have important managerial and policy implications.

Keyword: Technology innovation; Internationalization/globalization; Patent